

Sony VO-2800 Video Cassette Recorder

Sony introduced 1/2" video cassette recorders between 1971 and 1972.

1971 cited by <http://www.lionlmb.org/quad/format.html#34in>

1972 cited by <http://videoexpert.home.att.net/artic1/235arch.htm>

VO 1600 found in product literature in 1972

VO 1200 found in product literature in 1973

VO 1800 found in product literature in 1974

VO 2800 found in product literature in 1975

VO 2800 found in product literature in 1977

From the Product Literature

Sony's U-matic Type II VO-2800 Player/Recorder/Editor

Company & Electronic Division
TECHNISPIRE CORP.
215 EAST 27th STREET
NEW YORK, N. Y. 10016
(212) 889-9170

A total video production machine, the VO-2800 is an excellent keystone unit for the formation of your communications system. With the addition of one or two cameras, any U-Matic player or player/recorder and this machine, the at-home or in-house video producer has the basis for a compact operational telestudio.

Versatility, compatibility and economy.

Because the VO-2800 is so flexible in its functions, its applications are myriad for business, industry and education...for home video and video art. With it, anyone with a minimum of training can produce an edited color master tape at low cost.

The VO-2800 can be used to record original program material...it can be used to record off-the-air, closed circuit or other video sources...and, it has the added capability of enabling you to condense and edit original recorded material. Your edited

U-Matic cassette can then be duplicated and distributed simply, quickly and inexpensively.

This simplicity of operation and cost efficiency permits the educator, for example, to quickly update and revise necessary data for teacher training programs, learning programs, classroom instruction...and to condense previously recorded programs into entirely new programs with added highlights.

It is an invaluable aid for programming detailed studies of medical procedures, such as surgical techniques, in take examinations, and hospital orientation generally.

In business and industry, quick distribution of information can bring the highlights of an important sales conference from the home office to the branch offices, on-target programs to your sales staff, dealers, distributors or customers.

In addition, the VO-2800 editing function featuring capstan servo mechanism, also means greater flexibility for the producer of video art, working

with an unlimited imagination on a limited budget.

The one video machine with all the advantages.

Full NTSC color and monochrome recording with two audio tracks...3.75 ips economy...automatic rewind and replay...feather-touch solenoid controls and logic circuits that allow "non-stop" operation...built-in remote control capabilities (RM-410 remote control unit optional)...integrated circuits for superior reliability...a capstan servo mechanism to guarantee accurate recording and playback of pitch and picture...remarkable signal-to-noise ratio of 45dB and excellent picture resolution for superior performance...extended audio response...and "freeze-frame" viewing with Sony KCA videotape designed especially for the Sony U-Matic Type II. It all adds up to this: the VO-2800 is one important video machine for your communication needs.



Features/Specifications

• Improved signal-to-noise ratio (45dB) reduces inherent tape noise characteristics for a clearer picture • Excellent picture resolution for greater clarity and crispness • Extended audio response allows recording sounds from organ note "lows" to tonal colorations above the range of human hearing • Capstan Servo mechanism eliminates editing noise, guaranteeing accurate recording and playback of pitch and picture • Solenoid operation for increased reliability and ease of operation • Auto-off "Dew Control" Tape Protection Circuit to prevent damage from dampness • Instant Pause Controls for "freeze frame" viewing (with KCA tape) • Automatic stop and rewind at end of tape • Program repeat capability • Remote Control capability (w/optional RM-410) • Tape Protection Circuit insures long tape life and trouble-free operation



Power Requirements:

120 ± 12 Volt AC 60 Hz ± 0.5%

Power Consumption:

130 W

Video Recording System:

Two-head helical scan system

Luminance FM

Chroma: Converted Subcarrier Direct

Recording

ISA Standard video, NTSC compatible

color (American standard color TV

system)

Video Signal

Input: 1.0 ± 1.0, -0.5 Volts (p-p) 75 ohms

Output: 1.0 ± 0.2V p-p 75 ohms

Horizontal Resolution: Minimum 300 lines/

Color: 240 lines

Signal to Noise Ratio: More than 45 dB

Audio Signal

Input: MIC -40 dB 600 ohms/Line

-10 dB 100K ohms

Output: Line -5 dB (1K ohms)/

Monitor -5 dB (2K ohms)

Frequency Response: 50 - 15,000 Hz

Signal to Noise Ratio: More than 45 dB

Head phone Imp: 8 ohms

Tape Speed:

3 3/4 inch/sec

Wow & Flutter:

Less than 0.2% RMS

Operational Positions:

Horizontal (±30°)

Fast Forward Time:

Less than 8 min. (For KC/KCA 60 tape)

Rewind Time:

Less than 4 min. (For KC/KCA 60 tape)

Temperature:

Storage +14 to +140°F Operation +41

to +104°F

Dimensions:

23 3/8" (W) 9" (H) 16 1/2" (D)

Weight:

25.6 lbs

Accessories Supplied:

Dust Cover/Instruction Manual/KC 30/

FA 30/Tuner Recording Adapter

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SONY
Corporation of America
9 West 57th Street, New York, N.Y. 10019

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Power Requirements: 120 plus/minus 12 Volt AC 60 Hz plus/minus 0.5
Power Consumption: 130 W
Video Recording System: Two-head helical scan system
Luminance: FM
Chroma: Converted Subcarrier Direct Recording
EIA Standard video, NTSC compatible color (American standard color TV system)

Video Signal

Input: 1.0 + 1.0, -0.5 Volts (p-p) 75 ohms
Output: 1.0 plus/minus 0.2V p-p 75 ohms
Horizontal Resolution: Mono: 320 lines/ Color: 240 lines
Signal to Noise Ratio: More than 45 dB

Audio Signal

Input: MIC -60 dB 600 ohms/Line \pm 10 dB 100 K ohms
Output: Line -5 dB (2 K ohms)/Monitor -5 dB (2K ohms)
Frequency Response: 50 -15,000 Hz
Signal to Noise Ratio: More than 45 dB
Head phone Imp: 8 ohms
Tape Speed: 3-3/4 inch/sec.
Wow & Flutter: Less than 0.2% RMS
Operational Position: Horizontal (plus/minus 30 degrees)
Fast Forward Time: Less than 6 min. (For KC/KCA-60 tape)
Rewind Time: Less than 4 min. (For KC/KCA-60 tape)
Temperature: Storage +14 to +140 degrees F Operation +41 to +104 degrees F

Dimensions: 23-3/8"(W) 9" (H) 16-1/2" (D)

Weight: 75.6 lbs